

From: [Susan Johnson](#)
To: [Emily Lindley](#); [Gray, David](#)
Cc: [Lori Wilson](#); [Richard Chism](#); [Andrea Morrow](#); [Michael Honeycutt](#); [Ryan Vise](#); [Tracy Miller](#); [Ramiro Garcia](#)
Subject: RE: Do we have a winner on the AP response?
Date: Sunday, September 3, 2017 12:30:48 PM

I let Andrea know we are checking on one item before finalizing to send. thanks

From: Emily Lindley
Sent: Sunday, September 03, 2017 12:27 PM
To: Gray, David <gray.david@epa.gov>
Cc: Lori Wilson <Lori.Wilson@tceq.texas.gov>; Richard Chism <Richard.Chism@tceq.texas.gov>; Andrea Morrow <Andrea.Morrow@tceq.texas.gov>; Michael Honeycutt <Michael.Honeycutt@tceq.texas.gov>; Ryan Vise <Ryan.Vise@Tceq.Texas.Gov>; Susan Johnson <susan.johnson@tceq.texas.gov>; Tracy Miller <tracy.miller@tceq.texas.gov>
Subject: Re: Do we have a winner on the AP response?

Ryan, we should send to Arkema as an FYI since they are mentioned. If you haven't already!

Sent from my iPhone

On Sep 3, 2017, at 12:26 PM, Gray, David <gray.david@epa.gov> wrote:

Share final and we will broadcast also

Sent from my iPhone

On Sep 3, 2017, at 12:25 PM, Lori Wilson <Lori.Wilson@tceq.texas.gov> wrote:

Good with Em's revision

Lori Wilson
Executive Office
TCEQ
512-239-1635

<image001.png>

From: Richard Chism
Sent: Sunday, September 03, 2017 12:23 PM
To: Emily Lindley <Emily.Lindley@tceq.texas.gov>
Cc: Andrea Morrow <Andrea.Morrow@tceq.texas.gov>; Michael Honeycutt <Michael.Honeycutt@tceq.texas.gov>; Gray, David <gray.david@epa.gov>; Ryan Vise <Ryan.Vise@Tceq.Texas.Gov>; Susan Johnson <susan.johnson@tceq.texas.gov>; Tracy Miller <tracy.miller@tceq.texas.gov>; Lori Wilson <Lori.Wilson@tceq.texas.gov>
Subject: Re: Do we have a winner on the AP response?

Im good.

Sent from my iPhone

On Sep 3, 2017, at 12:22 PM, Emily Lindley <Emily.Lindley@tceq.texas.gov> wrote:

My edits below.

Sent from my iPhone

On Sep 3, 2017, at 12:17 PM, Andrea Morrow <Andrea.Morrow@tceq.texas.gov> wrote:

Any additions, corrections?

Air Quality Monitoring: Monitors are showing that air quality at this time is not concerning and local residents should not be concerned about air quality issues related to the effects of the storm. Due to quick action and proper preparation by state authorities, all the ambient air quality monitors in the network from south of Corpus Christi to Beaumont were protected before the storm. Since then, state authorities are working to get the systems up and running again. As of Saturday, September 2, over 88 percent of monitors are up and working again in Corpus Christi, 85 percent in Houston, and 36 percent in Beaumont. Of the available air monitoring data collected from August 24-September 2, 2017, all measured concentrations were well below levels of health concern. Monitors are showing that air quality at this time is not concerning, and local residents should not be concerned about air quality issues related to the effects of the storm.

EPA has its surveillance aircraft conducting air monitoring for the Arkema plant fire. Also, EPA's mobile air-monitoring unit will be in Houston to assist with air monitoring as well. **Also, EPA's mobile air monitoring Trace Atmospheric Gas Analyzer bus will be in Houston to assist with air monitoring as well.** The TAGA is a self-contained mobile laboratory capable of real-time sampling and of outdoor air or emissions. The instrumentation refers both to the analytical instrument and the mobile laboratory built around it.

Emergency response monitoring at the Arkema facility evacuation perimeter is being conducted. We will make those data available as we are able. So far, nothing of immediate health concern has been detected.

We have established a Unified Command with other state and federal partners, and are in the field conducting rapid needs assessments. The TCEQ will use the available technology that will best support the field activities being conducted, which may include the use of hand held air monitoring equipment.

Continue to monitor the TCEQ's Hurricane Response website for updates: <https://www.tceq.texas.gov/response/hurricanes>

[Hurricane Response - TCEQ -
www.tceq.texas.gov](https://www.tceq.texas.gov)

www.tceq.texas.gov

Information you might need if you are affected by a tropical storm or hurricane.

From: Michael Honeycutt
Sent: Sunday, September 3, 2017 12:10 PM
To: Andrea Morrow
Cc: Emily Lindley; Gray, David; Ryan Vise; Richard Chism; Susan Johnson; Tracy Miller; Lori Wilson
Subject: Re: Proposed response to AP questions with EPA additions- please review

Tuesday

On Sep 3, 2017, at 12:09 PM, Andrea Morrow
<Andrea.Morrow@tceq.texas.gov> wrote:

Do we know when that will begin? That will make my life a lot easier! ;)

From: Michael Honeycutt
Sent: Sunday, September 3, 2017 12:08 PM
To: Emily Lindley
Cc: Gray, David; Andrea Morrow; Ryan Vise; Richard Chism; Susan Johnson; Tracy Miller; Lori Wilson
Subject: Re: Proposed response to AP questions with EPA additions- please review

Could also add TCEQ will soon begin daily updates on air quality that will be available on hurricane webpage.

On Sep 3, 2017, at 12:06 PM, Emily Lindley
<Emily.Lindley@tceq.texas.gov> wrote:

What about adding this info in? It's pretty good.

As of Saturday, September 2, over 88 percent of monitors are up and working again in Corpus Christi, 85 percent in Houston, and 36 percent in Beaumont; and authorities expect that the network will be fully operational again by next week. Of the available air monitoring data collected from August 24-September 2, 2017, all measured concentrations were well below levels of health concern. Monitors are showing that air quality at this time is not concerning, and local residents should not be concerned about air quality issues related to the effects of the storm.

Anyone is welcome to disagree! Just my opinion. It's going in the other statement.

Sent from my iPhone

On Sep 3, 2017, at 11:57 AM, Gray, David

<gray.david@epa.gov> wrote:

I should have the information
about on the ground monitoring
around cosby in a few minutes

Sent from my iPhone

On Sep 3, 2017, at 11:51 AM,
Andrea Morrow
<Andrea.Morrow@tceq.texas.gov>
wrote:

David, can you give
me a description of
what the TAGA bus
does?

This is a response to
the Associated Press
questions:

- 1) We have been told
EPA is doing air
monitoring at the
Arkema plant in
Crosby. Can you tell
me what your
monitoring has
found? What
chemicals in what
concentrations?
Where are you doing
the monitoring
exactly, with what
instruments?
- 2) Your data shows
multiple ozone and
PM monitoring
stations in Houston
were knocked out
during the story. Was
it indeed more than
half of the ozone
monitors? When do
you expect them to
be fixed and back
online?
- 3) Are EPA/TCEQ
monitoring air

quality around
Houston
petrochemical plants
and refineries to look
for potential health
and safety
problems? Have they
deployed any mobile
air monitors? (I
gather these are EPA
crews working in
coordination with
TCEQ?) If so, what
have they found in
the last few days
near the
petrochemical plants
around the ship
channel? If they
haven't been
monitoring, why
not? The startup and
shutdown operations
typically produce
heavier emissions of
airborne
contaminants, as we
know.

2) Other
than
ozone
and PM10
and
PM2.5
are you
monitoring
for any
other
specific
compounds?

3) What
are the
state of
Texas and
the EPA
doing to
monitor
public
health
near the
petrochemical

plants
and
refineries
given the
extraordinary
shutdown
and
startup
pollution
and the
possibility
of
contaminants
released
into their
neighborhoods?
Will there
be health
monitoring?
If so, by
whom? If
not, why
not?

From: Emily Lindley
Sent: Sunday,
September 3, 2017
11:48 AM
To: Ryan Vise
Cc: Andrea Morrow;
Gray, David; Michael
Honeycutt; Richard
Chism; Susan Johnson;
Tracy Miller; Lori
Wilson
Subject: Re: Proposed
response to AP
questions with EPA
additions- please
review

I added the word
Arkema at the end of
the 1st paragraph. I
think we need to say
what the TAGA bus is
and what it does. I
like that we got that
in there. Just need to
explain to the public
more.

Just so I'm straight is
this part of the larger
statement from this
morning? Or
something different?

Sent from my iPhone

On Sep 3, 2017, at
11:44 AM, Ryan Vise
<Ryan.Vise@Tceq.Texas.Gov>
wrote:

I'm good
with the
language

Sent
from my
iPhone

On Sep
3, 2017,
at 11:43
AM,
Andrea
Morrow
<Andrea.Morrow@tceq.texas.gov>
wrote:

I've
heard
from
Cory,
David,
and
Mike.
OCE
are
you
ok
with
the
start-
up/shut-
down
language?
Lori,
Emily,
Ryan,
any

changes?

Air

Quality

Monitoring: Monitors

are
showing
that
air
quality
at
this
time
is
not
concerning
and
local
residents
should
not
be
concerned
about
air
quality
issues
related
to
the
effects
of
the
storm.
Due
to
quick
action
and
proper
preparation
by state authorities,
all
the
ambient
air
quality
monitors
in
the
network

from
south
of
Corpus
Christi
to
Beaumont
were
protected
before
the
storm.
Since
then, state authorities
are
working
to
get
the
systems
up
and
running
again.
As
of
Saturday,
September
2,
over
70
percent
of
the
monitors
are
up
and
working
again;
and
authorities
expect
that
the
network
will
be
fully
operational
again
by

next
week.
EPA
has
its
surveillance
aircraft
conducting
air
monitoring
for
the
Arkema
plant
fire.
Also,
EPA's
mobile
air
monitoring
TAGA
bus
will
be
in
Houston
to
assist
with
air
monitoring
as
well.

Emergency
response
monitoring
at
the
Arkema
facility
evacuation
perimeter
is
being
conducted.
We
will
make
those
data
available

as
we
are
able.
So
far,
nothing
of
immediate
health
concern
has
been
detected.

The
same
rules
apply
for
start-
up,
shut-
down
activities
however
delays
may
occur
based
upon
factors
related
to
the
emergency
in
some
situations
(i.e.
power
outages,
computer
system
failure,
etc.).

From:

Gray,
David
<gray.david@epa.gov>

Sent:

Sunday,
September
3,
2017
11:38
AM

To:

Michael
Honeycutt

Cc:

Andrea
Morrow;
Richard
Chism;
Ryan
Vise;
Susan
Johnson;
Tracy
Miller;
Lori
Wilson;
Emily
Lindley

Subject:

Re:
Proposed
response
to
AP
questions
-
please
review

Feel
free
to
add
that
EPA
has
its
surveillance
aircraft
conducting
air
monitoring

for
the
plant
fire.
Also,
our
mobile
air
monitoring
TAGA
bus
will
be
in
Houston
to
assist
with
air
monitoring.

Sent
from
my
iPhone

On
Sep
3,
2017,
at
11:35
AM,
Michael
Honeycutt
<Michael.Honeycutt@tceq.texas.gov>
wrote:

Ah.
Missed
that.

On
Sep
3,
2017,
at
11:33
AM,
Andrea
Morrow
<Andrea.Morrow@tceq.texas.gov>

wrote:

He
dropped
the
ozone
question,
Mike.

From:
Michael
Honeycutt

Sent:
Sunday,
September
3,
2017
11:32
AM

To:
Andrea
Morrow

Cc:
Richard
Chism;
Ryan
Vise;
David
Gray
(gray.david@epa.gov);
Susan
Johnson;
Tracy
Miller;
Lori
Wilson;
Emily
Lindley

Subject:
Re:
Proposed
response
to
AP
questions
-
please
review

On
the
ozone
blurb,
you
could
add
that
TCEQ
and
EPA
send
ozone
notifications
like
we
always
do
to
subscribers
of
our
notification
systems.
There
was
nothing
unusual
about
this
notification.

On
Sep
3,
2017,
at
11:28
AM,
Andrea
Morrow
<Andrea.Morrow@tceq.texas.gov>
wrote:

Okay,
what
do
you
all
think
of
this:

**Air
Quality**

Monitoring: Monitors

are
showing
that
air
quality
at
this
time
is
not
concerning
and
local
residents
should
not
be
concerned
about
air
quality
issues
related
to
the
effects
of
the
storm.
Due
to
quick
action
and
proper
preparation
by state authorities,
all
the
ambient
air
quality
monitors
in
the
network
from
south

of
Corpus
Christi
to
Beaumont
were
protected
before
the
storm.
Since
then, state authorities
are
working
to
get
the
systems
up
and
running
again.
As
of
Saturday,
September
2,
over
70
percent
of
the
monitors
are
up
and
working
again;
and
authorities
expect
that
the
network
will
be
fully
operational
again
by
next
week.

Emergency
response
monitoring
at
the
Arkema
facility
evacuation
perimeter
is
being
conducted.
We
will
make
those
data
available
as
we
are
able.
So
far,
nothing
of
immediate
health
concern
has
been
detected.

The
same
rules
apply
for
start-
up,
shut-
down
activities
however
delays
may
occur
based
upon
factors
related

to
the
emergency
in
some
situations
(i.e.
power
outages,
computer
system
failure,
etc.).

From:

Michael
Honeycutt

Sent:

Sunday,
September
3,
2017
11:23
AM

To:

Richard
Chism;
Andrea
Morrow

Cc:

Ryan
Vise;
David
Gray
(gray.david@epa.gov);
Susan
Johnson;
Tracy
Miller

Subject:

Re:
Proposed
response
to
AP
questions
-
please
review

You
could
add
that
we
are
doing
emergency
response
monitoring
at
the
Arkema
facility
evacuation
perimeter
and
will
make
that
data
available
as
we
have
time.
So
far,
nothing
of
immediate
health
concern
has
been
detected.

From:
Richard
Chism

Sent:
Sunday,
September
3,
2017
11:19:57
AM

To:
Andrea
Morrow

Cc:

Ryan
Vise;
David
Gray
(gray.david@epa.gov);
Michael
Honeycutt;
Susan
Johnson;
Tracy
Miller

Subject:

Re:
Proposed
response
to
AP
questions
-
please
review

This
is
directly
from
the
draft
joint
response
this
morning.
You
can
use
it.

Air

Quality

Monitoring: Monitors

are
showing
that
air
quality
at
this
time
is
not
concerning
and

local
residents
should
not
be
concerned
about
air
quality
issues
related
to
the
effects
of
the
storm.
Due
to
quick
action
and
proper
preparation
by state authorities,
all
the
ambient
air
quality
monitors
in
the
network
from
south
of
Corpus
Christi
to
Beaumont
were
protected
before
the
storm.
Since
then, state authorities
are
working
to
get

the
systems
up
and
running
again.
As
of
Saturday,
September
2,
over
70
percent
of
the
monitors
are
up
and
working
again;
and
authorities
expect
that
the
network
will
be
fully
operational
again
by
next
week.

Sent
from
my
iPhone

On
Sep
3,
2017,
at
11:14
AM,
Andrea
Morrow
<Andrea.Morrow@tceq.texas.gov>

wrote:

Which
is
correct,
65%
or
this:

- Air
Quality
Monitoring:
One
of
the
many
preparations
for
Hurricane
Harvey
included
EPA,
TCEQ,
and
other
monitoring
entities
temporarily
removing
approximately
75
percent
of
the
stationary
air
monitoring
equipment
from
the
greater
Houston,
Corpus
Christi,
and
Beaumont
areas.
Since
then,
state
and
local

authorities
are
working
to
get
the
systems
up
and
running
again.
As
of
Saturday,
September
2,
over
70
percent
of
the
monitors
are
up
and
working
again;
and
authorities
expect
that
the
network
will
be
fully
operational
again
by
next
week.
Of
the
available
air
monitoring
data
collected
from
August
24-
September

2,
2017,
all
measured
concentrations
were
well
below
levels
of
health
concern.
Monitors
are
showing
that
air
quality
at
this
time
is
not
concerning
and
local
residents
should
not
be
concerned
about
air
quality
issues
related
to
the
effects
of
the
storm.

From:
Ryan
Vise

Sent:
Sunday,
September
3,

2017
11:07
AM

To:
Andrea
Morrow

Cc:
David
Gray
(gray.david@epa.gov);
Richard
Chism;
Michael
Honeycutt;
Susan
Johnson;
Tracy
Miller

Subject:
Re:
Proposed
response
to
AP
questions
-
please
review

I'm
good
with
these
answers.

Sent
from
my
iPhone

On
Sep
3,
2017,
at
11:06
AM,
Andrea
Morrow
<Andrea.Morrow@tceq.texas.gov>
wrote:

FYI,
Cory.
He
has
deleted
the
third
question
because
he
understands
the
nature
of
the
AirNow
report.

I
don't
have
sufficient
information
to
answer
these
questions.
I
suggest
we
say,
the
TCEQ
has
reactivated
65
percent
of
our
monitoring
network
in
the
hurricane-
affected
areas.

(Insert
EPA
monitoring
data
here
or
explain
why
it
is
not
available)

The
same
rules
apply
for
start-
up,
shut-
down

activities
however
delays
may
occur
based
upon
factors
related
to
the
emergency
in
some
situations
(i.e.
power
outages,
computer
system
failure,
etc.).

Hourly
data
from
the
operating
ozone
monitors
in
TCEQ's
network
are
used
by
the
EPA
to
predict
air
quality.
What
you
are
looking
at
is
a
forecast
based
on
one-
hour
(snapshot)
readings.
The
201
ppb
you
referenced
is
not
an

actual
monitored
reading,
it
is
a
projection.
TCEQ
is
aware
of
elevated
ozone
levels
west
of
Houston
which
is
not
unusual
for
this
time
of
year.

1)

You

are
doing
air
monitoring
at
the
Arkema
plant
in
Crosby.
Can
you
tell
me
what
your
monitoring
has
found?
What
chemicals
in
what
concentrations?
Where
are
you
doing
the
monitoring
exactly?

2)

Are
EPA/TCEQ

monitoring
air
quality
around
petrochemical
plants
and
refineries
looking
for
potential
problems?
Have
they
deployed
any
mobile
air
monitors?
(I
gather
these
are
EPA
crews
working
in
coordination
with
TCEQ?)
If
so,
what
have
they
found
in
the
last
few
days
near
the
petrochemical
plants
around
the
ship
channel?
If
they
haven't
been
monitoring,
why
not?
The
startup
and
shutdown
operations
typically
produce
heavier

emissions
of
airborne
contaminants,
right?

3)
I
saw
an
ozone
level
of
201
ppb
recorded
in
Houston
on
Friday
on
airnow.gov
and
Andrea
Morrow
of
TCEQ
told
my
colleague
Jason
Dearen
that
the
reading
was
recorded
as
a
single
hourly
max
at
one
monitoring
station.
Your
ozone
level
for
the
day
(95
ppb)
is
based
on
an
eight-
hour
of
average,
she
said.

But
that
does
not
deny
that
a
single
station
had
that
maximum
level,
correct?
What
station
was
it?
Can
you
tell
me
what
hour
of
the
day?
Did
any
other
stations
Very
Unhealthy
ozone
levels
on
Friday
or
Saturday?

Hourly
data
from
the
operating
ozone
monitors
in
TCEQ's
network
are
used
by
the
EPA
to
predict
air
quality.
What
you
are
looking
at

is
a
forecast
based
on
one-
hour
(snapshot)
readings.
The
201
ppb
you
referenced
is
not
an
actual
monitored
reading,
it
is
a
projection.
TCEQ
is
aware
of
elevated
ozone
levels
west
of
Houston
which
is
not
unusual
for
this
time
of
year.

4)
What
are
the
state
of
Texas
and
the
EPA
doing
to
monitor
public
health
near
the
petrochemical
plants
and

refineries
given
the
extraordinary
shutdown
and
startup
pollution
and
the
possibility
of
contaminants
released
into
their
neighborhoods?
Will
there
be
health
monitoring?
If
so,
by
whom?
If
not,
why
not?